



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

Amarr Garage Doors
165 Carriage Court
Winston-Salem, NC 27105

SCOPE: This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ). This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Model 1200 Heritage 3000 & Oak Summit 3000 Steel Sectional Garage Door up to 18'-0" Wide with Impact Windows

APPROVAL DOCUMENT: Drawing No. IRC-1218-165-26-I, titled "Model #1200 Heritage & Oak Summit 3000 Short, Long, Flush and Oak Summit Panels", Sheets 1 through 4 of 4, dated 06/07/2007, with revision B dated 11/11/2013, prepared by Amarr Garage Doors, signed and sealed by Thomas L. Shelmerdine, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: A permanent label with the manufacturer's name or logo, 3800 Greenway Circle, Lawrence, Kansas, model number, the positive and negative design pressure rating, indicate impact rated if applicable, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on the door's side track, bottom angle, or inner surface of a panel.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 12-0228.05 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Carlos M. Utrera, P.E.



[Signature]
07/24/2014

NOA No. 14-0414.11
Expiration Date: October 4, 2017
Approval Date: July 31, 2014
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **IRC-1218-165-26-I**, titled "Model #1200 Heritage & Oak Summit 3000 Short, Long, Flush and Oak Summit Panels", Sheets 1 through 4 of 4, dated 06/07/2007, with revision B dated 11/11/2013, prepared by Amarr Garage Doors, signed and sealed by Thomas L. Shelmerdine, P.E.

B. TESTS

1. Addendum to Test Report No. **ATLNC 1111.01-13** prepared by American Test Lab, Inc., dated 05/20/2014, signed and sealed by David W. Johnson, P.E.
2. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
4) Tensile Test per ASTM E8
5) Forced Entry Resistance Test per FBC, TAS 202-94
along with marked-up drawings and installation diagram of 18'x 7' 24 ga steel garage door Model 1200 Heritage 3000, prepared by American Test Lab, Inc., Test Report No. **ATLNC 1111.01-13**, dated 12/17/2013, signed and sealed by David W. Johnson, P.E.

"Submitted under NOA # 12-0228.09"
3. Test report on Evaluation of Painted or Coated Specimens Subjected to Corrosive Environments per ASTM D1654 & ASTM B117, prepared by Architectural Testing, Inc., Test Report # **A7420.01-106-18**, dated 04/12/2011, signed and sealed by Joseph A. Reed, P.E.
4. Test report on Forced Entry Test per FBC, TAS 202-94, prepared by American Test Lab, Inc., Test Report # **ATLNC 0912.01-11**, dated 10/13/2011, signed and sealed by David W. Johnson, P.E.

"Submitted under NOA # 07-0820.05"
5. Test report on 1) Uniform Static Air Pressure Test, per FBC TAS 202-94,
2) Large Missile Impact Test, per FBC TAS 201-94,
3) Cyclic Wind Pressure Test Loading, per FBC TAS 203-94,
along with marked-up drawings, prepared by American Test Lab, Inc., Test Report # **ATLNC 0604.01-07**, dated 06/30/2007, signed and sealed by David W. Johnson, P.E.
6. Test report on Tensile Test for 3 Samples per ASTM E 8, prepared by Hurricane Engineering & Testing Inc., Report # **HETI-07-T734**, dated 06/26/2007, signed and sealed by Candido F. Font, P.E.


07/24/2014

Carlos M. Utrera, P.E.

Product Control Examiner

NOA No. 14-0414.11

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C. CALCULATIONS

1. Anchor calculations prepared by Structural Solutions, P.A., dated 01/24/2014, signed and sealed by Thomas L. Shelmerdine, P.E.

"Submitted under NOA # 12-0228.05"
2. Anchor calculations prepared by Structural Solutions, P.A., dated 02/09/2012, signed and sealed by Thomas L. Shelmerdine, P.E.

D. QUALITY ASSURANCE

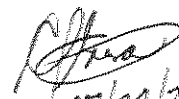
1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS *"Submitted under NOA # 12-0228.05"*

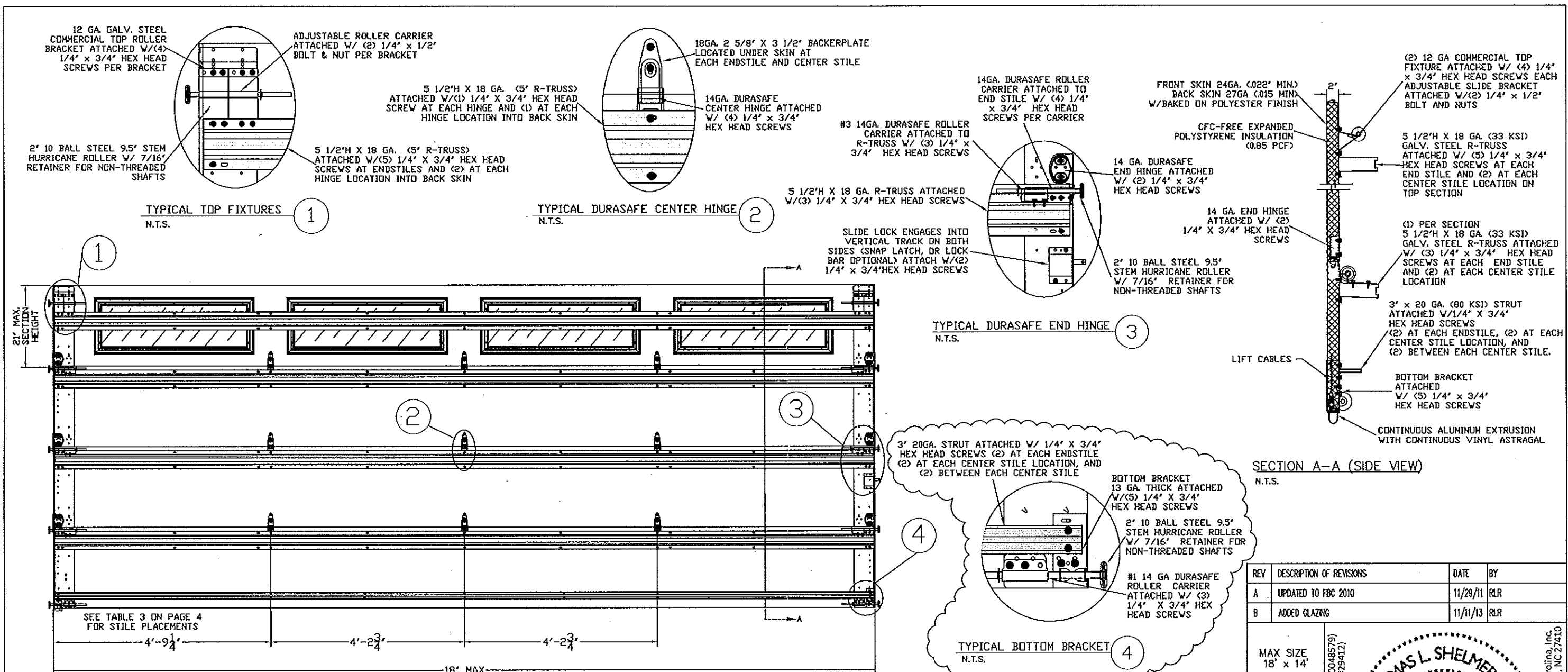
1. Test report on Surface Burning Characteristics on the expanded polystyrene UL file # R11812.

F. STATEMENTS

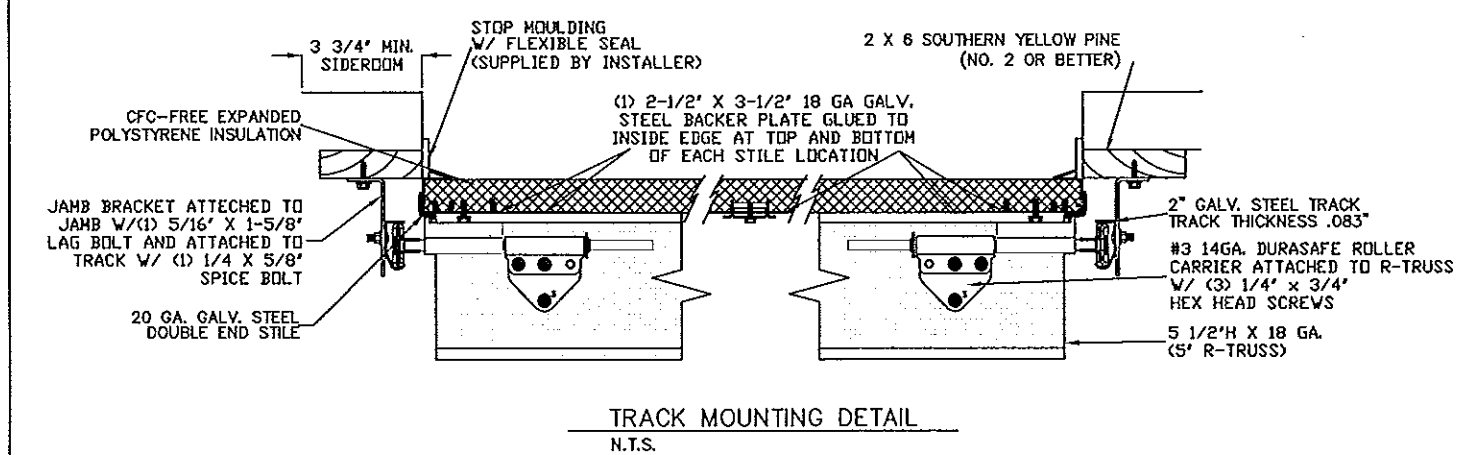
1. Statement letter of code conformance to 2010 FBC and no financial interest issued by Structural Solutions, P.A., dated 02/06/2014, signed and sealed by Tomas L. Shelmerdine, P.E.


07/24/2014

Carlos M. Utrera, P.E.
Product Control Examiner
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INSIDE ELEVATION
N.T.S.



LARGE MISSILE IMPACT RESISTANCE

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 14-0414-11
Expiration Date 10/1/2011
By *[Signature]*
Miami Trade Product Control

REV	DESCRIPTION OF REVISIONS	DATE	BY
A	UPDATED TO FBC 2010	11/29/11	RLR
B	ADDED GLAZING	11/11/13	RLR

MAX SIZE
18' x 14'

DESIGN LOADS
+42.0 PSF
-46.0 PSF

LARGE MISSILE
IMPACT
RESISTANCE

THOMAS L. SHELMEIDINE
LICENSE
No. 48579
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
FL

Thomas L. Shelmerdine, PE (FL PE #0048579)
Structural Solutions, PA (FL Firm #29412)
dba Structural Solutions of North Carolina, Inc.
5921-G W. Friendly Ave., Greensboro, NC 27410

Amarr

165 CARRIAGE COURT WINSTON-SALEM, NC. 27105 WWW.AMARR.COM

MODEL #1200 HERITAGE 3000
MODEL #1200 OAK SUMMIT 3000
Short, Long, Flush & Oak Summit Panels

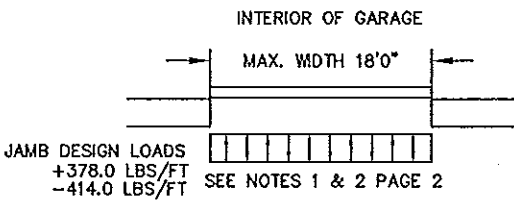
SIZE	DRAWN BY	SKW	DATE	5/21/07	DRAWING NUMBER
B	CHECKED BY	BKG	DATE	6/07/07	IRC-1218-165-26-1

SHEET 1 OF 4

WOOD JAMB ATTACHMENT TO STRUCTURE

SPECIFICATIONS AND NOTES

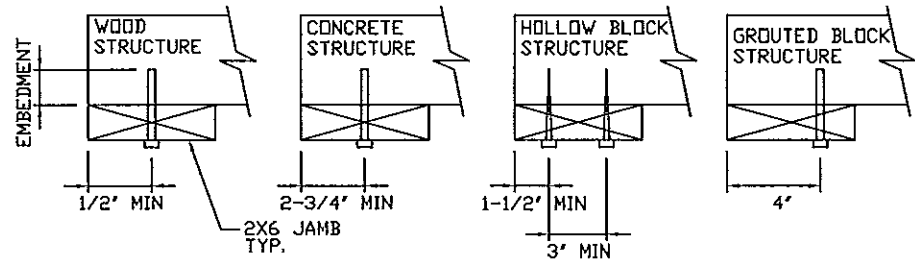
1. ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE VERTICAL TRACK, FROM THE TRACK THE LOAD IS TRANSFERRED TO THE VERTICAL JAMBS. THE HORIZONTAL JAMB OR HEADER RECEIVES NO PORTION OF THE LOAD TRANSFERRED FROM THE DOOR.
2. EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +378.0 LBS/FT & -414.0 LBS/FT
3. DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASHA.
4. DOOR SECTIONS SHALL BE 24 GA. (.022) MIN. EXTERIOR SKIN ROLLED FORMED, W/ BAKED ON POLYESTER FINISH
5. DOORS USE (1) 5.5" 18 GA R-TRUSS PER SECTION AND (1) 3" 20 GA STRUT ON THE BOTTOM SECTION.
6. DOORS OVER (4) SECTIONS REFER TO TABLE 1
7. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.
8. THIS APPROVAL REQUIRES THE MANUFACTURER TO DO TESTING OF ALL COILS USED TO FABRICATE DOOR PANELS UNDER THIS NOTICE OF ACCEPTANCE. A MINIMUM OF 2 SPECIMENS SHALL BE CUT FROM EACH COIL AND TENSILE TESTED ACCORDING TO ASTM E-8 BY A DADE COUNTY APPROVED LAB SELECTED AND PAID BY THE MANUFACTURER. EVERY 3 MONTHS, 4 TIMES A YEAR, THE MANUFACTURER SHALL MAIL TO THIS OFFICE: A COPY OF THE TEST REPORTS WITH CONFIRMATION THAT THE SPECIMENS WERE SELECTED FROM COILS AT THE MANUFACTURER PRODUCTION FACILITIES. AND A NOTARIZED STATEMENT FROM THE MANUFACTURER THAT ONLY COILS WITH YIELD STRENGTH OF 34,600 PSI OR MORE SHALL BE USED TO MAKE DOOR PANELS FOR DADE COUNTY UNDER THIS NOTICE OF ACCEPTANCE.



2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3' LAG SCREWS STARTING 6" FROM ENDS THEN 12" O.C. (1 1/2' EMBEDMENT)
2 X 6 VERTICAL JAMB ATTACHMENT TO 2,000 PSI CONCRETE
HILTI KWIK BOLT 3/8" X 4' STARTING 6" FROM ENDS THEN 24" O.C. (2 1/2' EMBEDMENT)
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 10" O.C. (1 1/4' EMBEDMENT)
ITW/RAMSET REDHEAD (TRU-BOLT) 3/8" X 4' STARTING 6" FROM ENDS THEN 22" O.C. (2 1/2' EMBEDMENT)
2 X 6 VERTICAL JAMB ATTACHMENT TO HOLLOW C-90 BLOCK
SIMPSON 1/4" X 3' TITEN SCREWS STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3' APART) AT 8" O.C. (1 1/2' EMBEDMENT)
HILTI 1/4" X 2-3/4" KWIK-CON II+ SCREWS STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3' APART) AT 8" O.C. (1 1/4' EMBEDMENT)

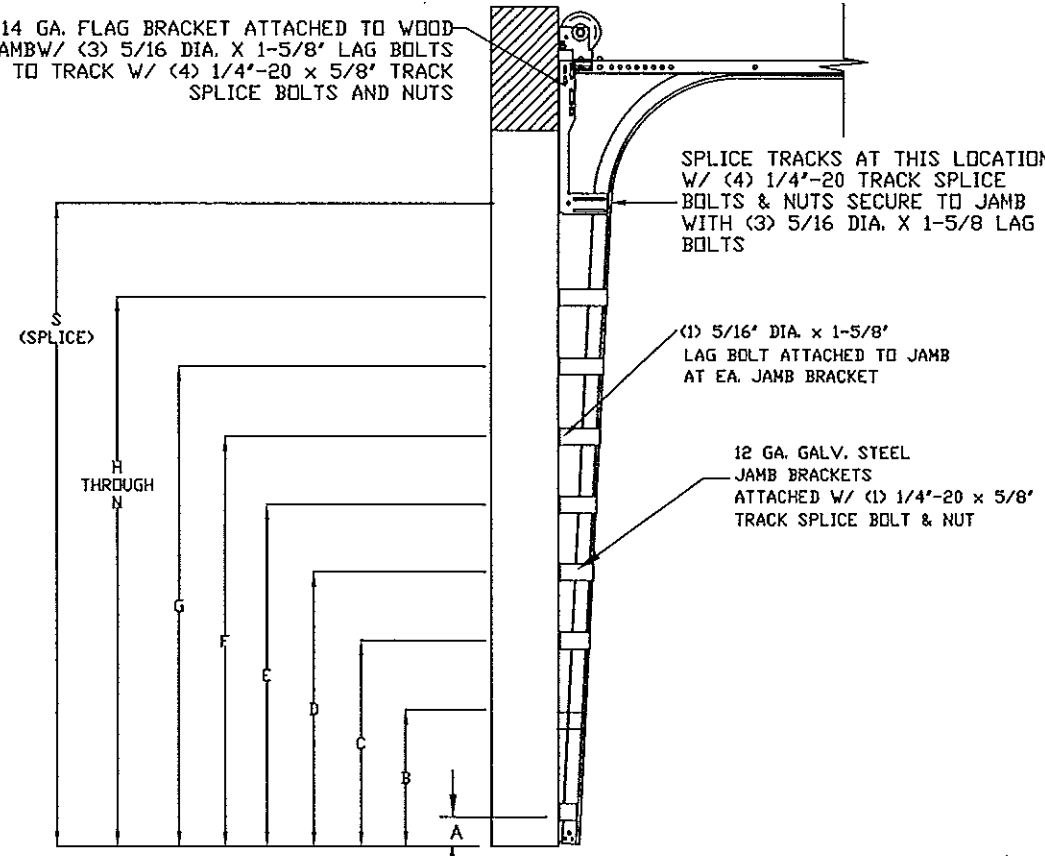
2 X 6 VERTICAL JAMB ATTACHMENT TO GROUTED C-90 BLOCK (2000 PSI GROUT)
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 12" O.C. (1 1/4' EMBEDMENT) (OR, USE FASTENERS FOR HOLLOW C-90 BLOCK)

*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
*PREPARATION OF WOOD JAMBS BY OTHERS



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 14-0418, 11
Expiration Date 10/04/2017
By [Signature]
Miami Dade Product Control

14 GA. FLAG BRACKET ATTACHED TO WOOD JAMB W/ (3) 5/16 DIA. X 1-5/8" LAG BOLTS AND TO TRACK W/ (4) 1/4"-20 X 5/8" TRACK SPLICE BOLTS AND NUTS



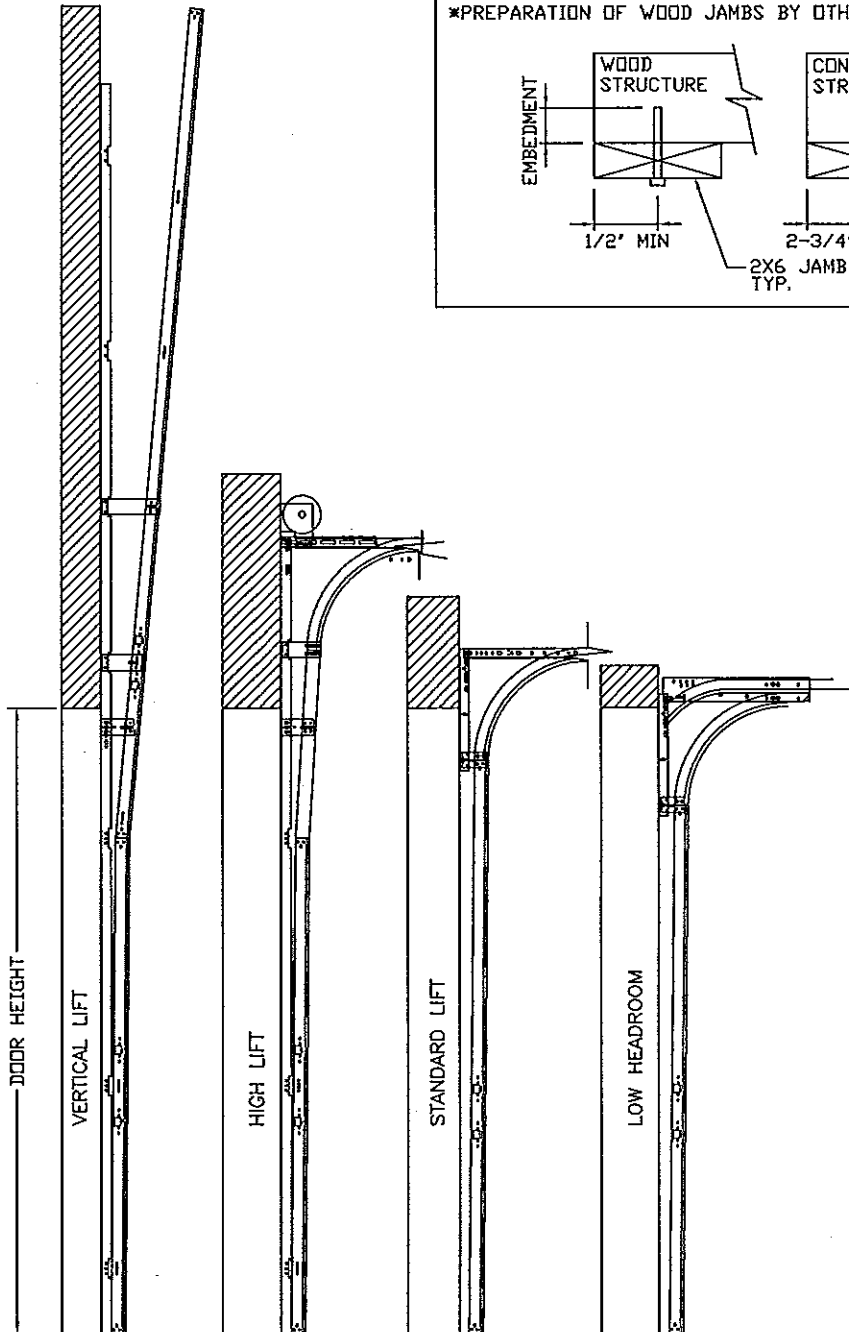
SPLICE TRACKS AT THIS LOCATION W/ (4) 1/4"-20 TRACK SPLICE BOLTS & NUTS SECURE TO JAMB WITH (3) 5/16 DIA. X 1-5/8 LAG BOLTS

(1) 5/16" DIA. X 1-5/8" LAG BOLT ATTACHED TO JAMB AT EA. JAMB BRACKET

12 GA. GALV. STEEL JAMB BRACKETS ATTACHED W/ (1) 1/4"-20 X 5/8" TRACK SPLICE BOLT & NUT

SEE (TABLE 2) FOR JAMB BRACKET SPACING

STANDARD TRACK CONFIGURATION FOR 6'6" UP TO 14' TALL DOORS
N.T.S.



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

REV	DESCRIPTION OF REVISIONS	DATE	BY
A	UPDATED TO FBC 2010	11/29/11	RLR
B	ADDED GLAZING	11/11/13	RLR

MAX SIZE
18' x 14'

DESIGN LOADS
+42.0 PSF
-46.0 PSF

LARGE MISSILE
IMPACT
RESISTANCE

Thomas L. Shelmerdine, PE (FL PE #0048579)
Structural Solutions, PA (FL Firm #29412)

FL

Thomas L. Shelmerdine
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STATE OF FLORIDA
PROFESSIONAL ENGINEER

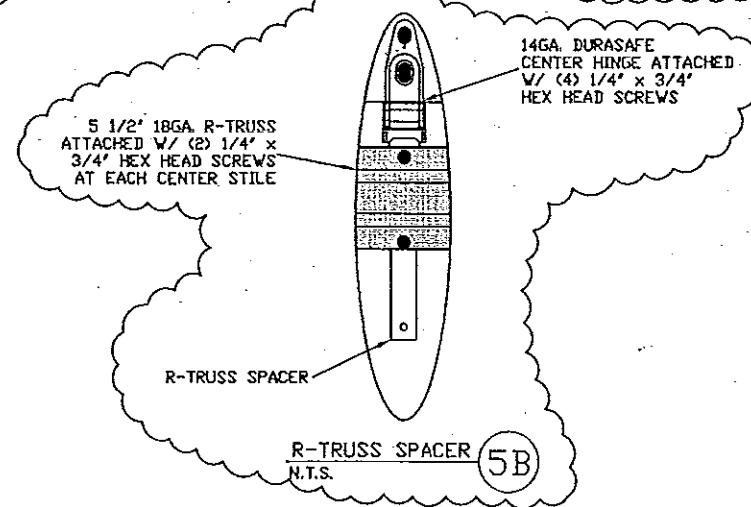
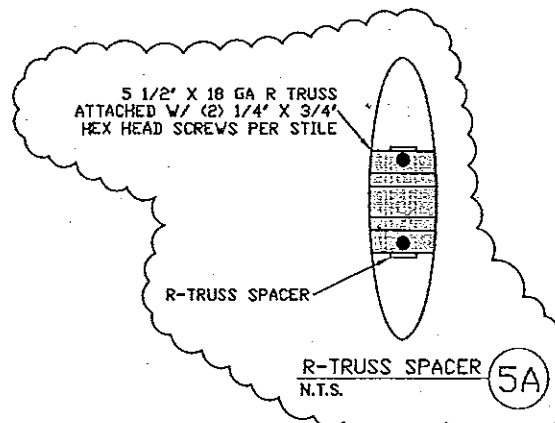
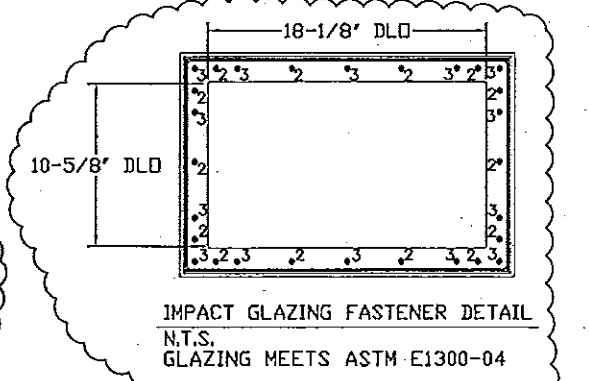
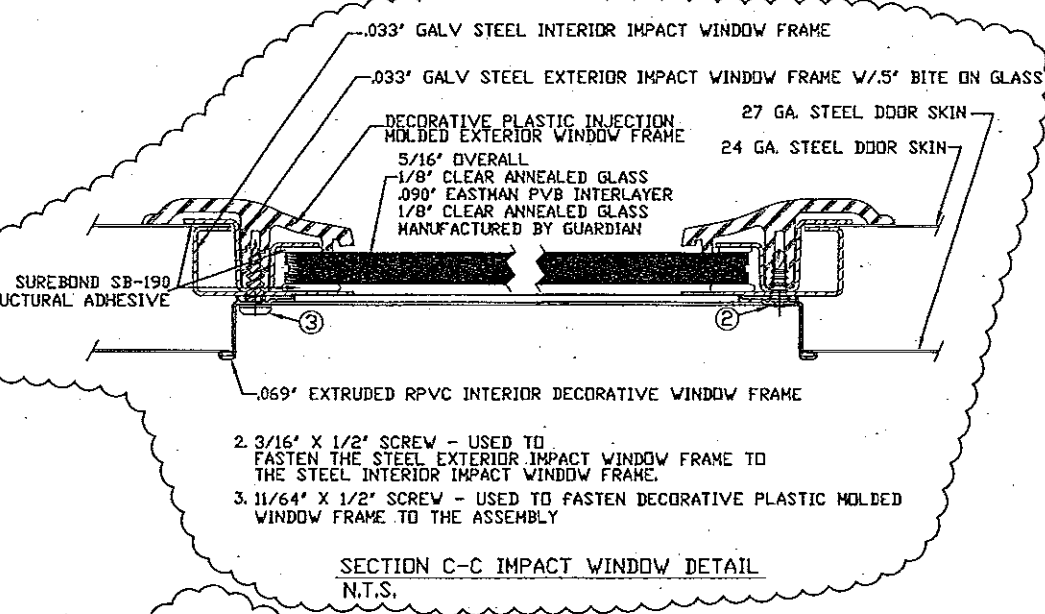
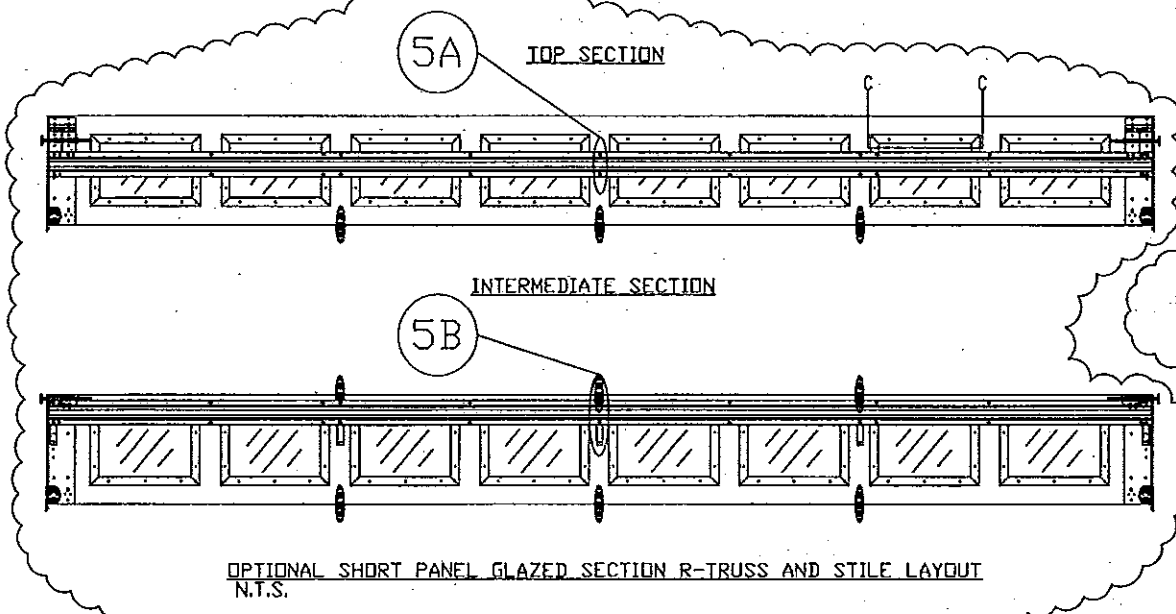
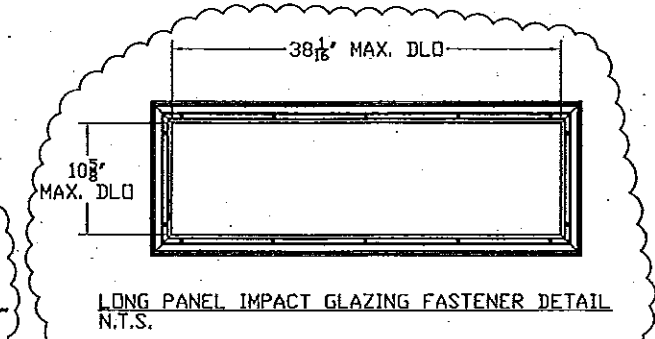
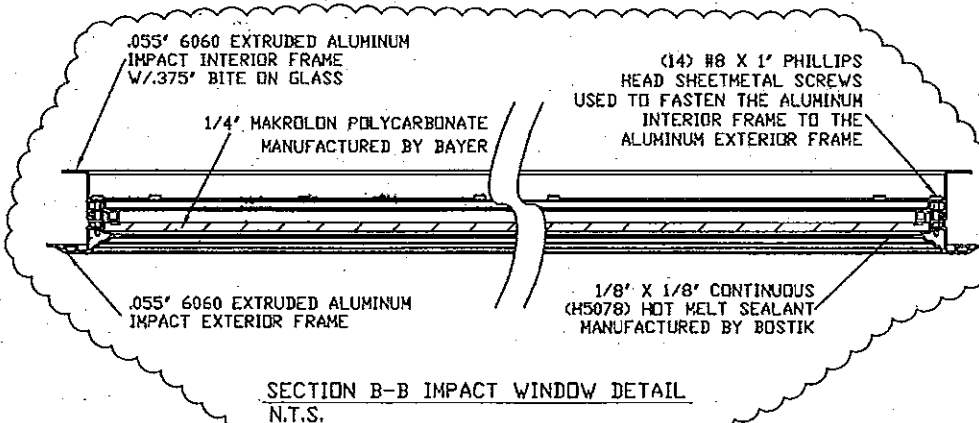
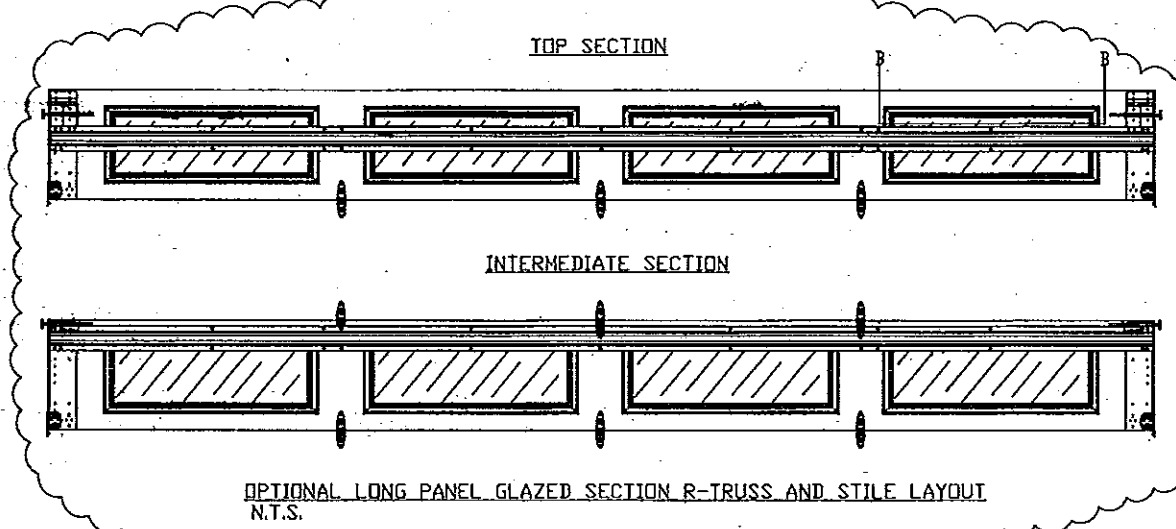
dba Structural Solutions of North Carolina, Inc.
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MODEL #1200 HERITAGE 3000
MODEL #1200 OAK SUMMIT 3000
Short, Long, Flush & Oak Summit Panels

SIZE	DRAWN BY	SKW	DATE	5/21/07	DRAWING NUMBER
B	CHECKED BY	BHG	DATE	6/07/07	IRC-1218-165-26-1

SHEET 2 OF 4



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 14-0414.11
Expiration Date 10/04/2017
By [Signature]
Miami Dade Product Control

REV	DESCRIPTION OF REVISIONS	DATE	BY
A	UPDATED TO FBC 2010	11/20/11	RLR
B	ADDED GLAZING	11/11/13	RLR

MAX SIZE 18' x 14'		Thomas L. Shelmerdine, PE (FL PE #00048679) Structural Solutions, PA (FL Firm #29412) dba Structural Solutions of North Carolina, Inc. 5921 G.W. Friendly Ave., Greensboro, NC 27410
DESIGN LOADS +42.0 PSF -46.0 PSF		
LARGE MISSILE IMPACT RESISTANCE		

165 CARRIAGE COURT WINSTON-SALEM, NC. 27105 WWW.AMARR.COM	
MODEL #1200 HERITAGE 3000	
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SIZE	DRAWN BY SKW DATE 5/21/07
B	CHECKED BY BKS DATE 6/07/07
DRAWING NUMBER IRC-1218-165-26-1	
SHEET 3 OF 4	

TABLE 1

DOOR HEIGHT	SECTION HEIGHTS							
	Btm	#2	#3	#4	#5	#6	#7	#8
14' 0"	21"	21"	21"	21"	21"	21"	21"	21"
13' 6"	21"	21"	21"	21"	21"	18"	18"	21"
13' 0"	21"	21"	21"	18"	18"	18"	18"	21"
12' 6"	21"	18"	18"	18"	18"	18"	18"	21"
12' 0"	21"	21"	21"	21"	21"	18"	21"	
11' 6"	21"	21"	21"	18"	18"	18"	21"	
11' 0"	21"	18"	18"	18"	18"	18"	21"	
10' 6"	21"	21"	21"	21"	21"	21"		
10' 0"	21"	21"	21"	18"	18"	21"		
9' 6"	21"	18"	18"	18"	18"	21"		
9' 0"	18"	18"	18"	18"	18"	18"		
8' 6"	21"	21"	21"	18"	21"			
8' 0"	21"	18"	18"	18"	21"			
7' 6"	18"	18"	18"	18"	18"			
7' 0"	21"	21"	21"	21"				
6' 6"	21"	18"	18"	21"				

TABLE 2

DOOR HEIGHT	TRACK ATTACHMENT														SPLICE
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	S
6' 6"	3"	14"	27"	38"	46"	56"	64"								70"
7'	3"	14"	27"	38"	46"	56"	68"								76"
7' 6"	3"	14"	27"	38"	46"	56"	68"	78"							82"
8'	3"	14"	27"	38"	46"	56"	68"	78"							88"
8' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"						94"
9'	3"	14"	27"	38"	46"	56"	68"	78"	88"						100"
9' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	98"					106"
10'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"					112"
10' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	110"				118"
11'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	110"				124"
11' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	110"	120"			130"
12'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	110"	122"			136"
12' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	109"	122"	132"		142"
13'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	114"	122"	134"		148"
13' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	109"	122"	134"	144"	154"
14'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	114"	122"	134"	146"	160"

ALL TRACK ATTACHMENT SPACING +/-2" ALLOWED WITH SYP NO. 2 OR BETTER ONLY

TABLE 3

Section	Panel Type	Center Stile Locations (Measured from Left Edge)		
		1st (in)	2st (in)	3rd (in)
16' 2"	Short	50.272	97.000	143.728
16' 2"	Long	51.168	97.000	142.834
16' 4"	Short	51.272	98.000	144.728
16' 4"	Long	52.168	98.000	143.834
16' 6"	Short	52.272	99.000	145.728
16' 6"	Long	51.340	99.000	146.660
16' 8"	Short	51.340	100.000	148.660
16' 8"	Long	52.200	100.000	147.800
16' 10"	Short	51.500	101.000	150.500
16' 10"	Long	53.200	101.000	148.800
17' 0"	Short	53.340	102.000	150.660
17' 0"	Long	54.200	102.000	149.800
17' 2"	Short	53.000	103.000	153.000
17' 2"	Long	55.200	103.000	150.800
17' 4"	Short	54.000	104.000	154.000
17' 4"	Long	56.200	104.000	151.800
17' 6"	Short	55.000	105.000	155.000
17' 6"	Long	57.200	105.000	152.800
17' 8"	Short	54.800	106.000	157.200
17' 8"	Long	55.800	106.000	156.200
17' 10"	Short	55.800	107.000	158.200
17' 10"	Long	56.250	107.000	157.750
18' 0"	Short	57.250	108.000	158.750
18' 0"	Long	57.800	108.000	158.200

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SIZE	DRAWN BY	SKW	DATE	5/21/07	DRAWING NUMBER
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SHEET 4 OF 4